

Study programme: Bachelor with honours in Geography Teaching, Bachelor with honours in Geography			
Course title: Speleology Basics (G415)			
Teacher: dr Tin Lukić			
Status: elective			
ECTS: 6			
Requirements: preconditioned course in Geomorphology			
Learning objectives The genesis and evolution of the speleological objects, their morphological, hydrological, paleontological, biological and archaeological characteristics, methodology and techniques of research, cave cartography, evaluation and protection.			
Learning outcomes The acquisition of basic knowledge of scientific principles in the speleology. Students will acquire knowledge which will help them understand cave genesis, their climatic, hydrological and morphological characteristics. They will learn how to apply research methodology and technique in fieldwork cave explorations.			
Syllabus <i>Theoretical part</i> Definition, scope and content; Historical development of speleology with us and in the world; The methodology of the speleological researches; The speleological research techniques; Cave cartography; The tectonic predisposition of speleological objects; Speleogenesis; Cave evolution stages; Climatological and Hydrological characteristics of speleological objects; The morphology of caves and sediments in them; Recent and fossil fauna in the caves; Caves as human habitats; Caves in pseudokarst environments; Vulnerability and protection measures of the caves. <i>Practical part</i> Application of cartographic approach in cave research, fieldwork recording and mapping of caves, measurements of the climatic elements in caves.			
Literature Petrović, J. (1968): Osnovi speleologije, Zavod za izdavanje udžbenika SRS, Beograd. Petrović, D., Petrović, J. (1997): Morfologija i hidrografija krasa, Zavod za izdavanje udžbenika i nastavnih sredstava, Beograd. Meredith, M. (1987): Speleologija u jamama, Speleološko društvo „Bosansko-hercegovački krš“, Sarajevo. Krešić, N. (1988): Karst i pećine Jugoslavije. Naučna knjiga, Beograd. Đurović P. (2010): Speleologija - teorija, metodologija i tehnike istraživanja, skripta (rukopis) Burger, P. (2006): Cave Exploring: The Definitive Guide to Caving Technique, Safety, Gear, and Trip Leadership. FalconGuide.			
Weekly teaching load: 3 (45)	Lectures: 2	Exercises: 1	
Methods of Teaching Frontal work, group work, dialogue and monologue, illustration and demonstration. Also, the teaching process includes a practical skills (making a plan and cave profiles, development of methods for tourist valorization of caves, home work and seminar paper).			
Grading method (maximu 100 points)			
Pre-examination assignments	points	Final examination	points
Activities during lectures	0-5	Written examination	-
Activities during exercises	0-5	Oral examination	30-45
Colloquia	20-40		
Seminar paper	0-5		